plurality of layers in an upper portion of said multilayered structure and to a plurality of layers in a lower portion of said multi-layered structure;

- said controller controlling the change between the upturned dome shape and the downturned dome shape by a signal.
- 2. The tactile feedback apparatus as defined in claim 1 wherein at least one of the amplitude and the frequency in a change between said upturned dome shape and the downturned dome shape is determined depending on an inputting operation by a user mediated by said interfacing element.
- 3. The tactile feedback apparatus as defined in claim 1 further comprising
  - a force sensor for detecting the force applied at the time of the operation for inputting by a user; wherein
  - at least one of the amplitude and the frequency in a change between said upturned dome shape and the downturned dome shape is determined depending on the force as detected by said force sensor.
- **4**. The tactile feedback apparatus as defined in claim 1 wherein
  - said interfacing element is a joystick operating device, a button device or a switch device.
- 5. A system comprising a main body part executing an application program and a user interface program and a

control device mounted in separation from said main body part and adapted for controlling the state of said application program;

- said control device including an interfacing element acted on by a user;
- a piezo actuator arranged on said interfacing element for presenting tactile feedback to a user acting on said interfacing element; and
- a controller for driving controlling said piezo actuator;
- said piezo actuator being of a circular-shaped multilayered structure and having a shape changed to an upturned dome shape or to a downturned dome shape on application of voltages of opposite polarities to a plurality of layers in an upper portion of said multilayered structure and to a plurality of layers in a lower portion of said multi-layered structure;
- said controller controlling the change between the upturned dome shape and the downturned dome shape by a signal;
- such control by said controller being managed in keeping with the current state of said application program and the interface program.

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